

# Project Audit

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Project:  
**Monopoloff**

May 24, 2022



# MONOPOLOFF

## MULTICHAIN NFT GAME

+

Monopoloff

▶

## Overview

This audit has been prepared for **Monopoloff** to review the main aspects of the project to help investors make an informative decision in the research process.

You will find a summarized review of the following main key points:

- Contract's source code
- Project and team
- Website
- Social media & online presence

**NOTE: We ONLY consider a project safe if they receive our "Certificate of Trust" NFT. This report only points out any potential red flags found in our analysis. Always do your own research before investing in a project.**

# Smart Contract Review

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.



*"The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal"*  
– SpyWolf Team

# Smart Contract Summary

Contract Name	Monopoloff
Ticker	MNG
Contract	0x085aEDAF6245Cc907213f3d669A5e85c23cECC45
Network	Binance smart chain
Language	Solidity
Tax	<b>Buy: 10%</b> <b>Sell: 10%</b>
Total Supply	10,000,000
Status	Not launched

## Current stats

Burn	No burnt tokens
LP Address	Liquidity not added yet
Liquidity	Liquidity not added yet
MaxTxAmount	1,000,000

Issues Checking Status	
Design Logic	Passed ✓
Compiler warnings.	Passed ✓
Private user data leaks	Passed ✓
Timestamp dependence	Passed ✓
Integer Overflow and Underflow	Passed ✓
Race conditions and Reentrancy. Cross-function race conditions	Passed ✓
Possible delays in data delivery	Passed ✓
Oracle calls	Passed ✓
Front running	Passed ✓
DoS with Revert	Passed ✓
DoS with block gas limit	Passed ✓
Methods execution permissions	Passed ✓
Economy model	Passed ✓
The impact of the exchange rate on the logic	Passed ✓
Malicious Event log	Passed ✓
Scoping and Declarations	Passed ✓
Uninitialized storage pointers	Passed ✓
Arithmetic accuracy	Passed ✓
Cross-function race conditions	Passed ✓
Safe Zeppelin module	Passed ✓
Fallback function security	Passed ✓



## Featured Wallets

Owner address	0x786B1d1DFEc12c3D063BB3Cdb7933579301BdCCc
Marketing wallet	0x59249FE2E748EDED65131a7941e4d21AAdDCC7f2
LP address	Liquidity not added yet

## Top 3 Unlocked Wallets

Wallet 1 (100%)	Same as owner
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\*Tokens are not distributed yet

## Tokenomics

 **No information about tokens distribution in their website and socials.**

# Security Threats

Owner can change buy/sell fees up to 25% (combined buy+sell=50%).

```
function setBuyTaxes(uint256 newLiquidityTax, uint256 newMarketingTax,
uint256 newBurnTax) external onlyOwner() {
    require(newLiquidityTax.add(newMarketingTax).
add(newBurnTax) <= 25, "Tax exceeds the 25%.");
    _buyLiquidityFee = newLiquidityTax;
    _buyMarketingFee = newMarketingTax;
    _buyBurnFee=newBurnTax;
    _totalTaxIfBuying = _buyLiquidityFee.add(_buyMarketingFee).add(_buyBurnFee);
}

function setSellTaxes(uint256 newLiquidityTax, uint256 newMarketingTax,
uint256 newBurnTax) external onlyOwner() {
    require(newLiquidityTax.add(newMarketingTax).
add(newBurnTax) <= 25, "Tax exceeds the 25%.");
    _sellLiquidityFee = newLiquidityTax;
    _sellMarketingFee = newMarketingTax;
    _sellBurnFee = newBurnTax;
    _totalTaxIfSelling = _sellLiquidityFee.add(_sellMarketingFee).add(_sellBurnFee);
}
```

⚠ Owner can change max transaction limit, but can't lower it than 1 token.  
Value of 1 token can be less than fees associated with the transaction.

```
function setMaxTxAmount(uint256 maxTxAmount, uint256 decimal) external onlyOwner() {
    require(maxTxAmount > 0, "Cannot set transaction amount as zero");
    _maxTxAmount = maxTxAmount * 10**decimal;
}
```

# Monopoloff Project & Team Review

According to their whitepaper (medium page post):

Monopoloff will be P2E (play to earn) game based on NFTs.

Monopoloff bases its gameplay on two core elements: land and business.

Land determines what your total ability to generate income will be, while businesses generate income from \$MNG Token on a daily basis.

In the future, higher-level lands will have additional functionalities.

Each account has a limit of 2 useable Lands.

The number of businesses you can have will depend on your land, and you must take into account which most important businesses will occupy more slots.

Future project developments:

- NFT marketplace
- Lands auction
- Staking
- Gaming development

## Team:

 **Team has not been KYC'd** 



# Website Analysis

URL: <https://www.monopoloff.com/>

- **Design:** Single page design, unpleasant background images cut.
- **Content:** Very short. ⚠
- **Whitepaper:** Explanatory, missing tokens distribution.
- **Roadmap:** Goals set at 3 phases with time frames.
- **Mobile-friendly?** No ⚠
- **Technical:** SSL certificate present. General SEO check passed.



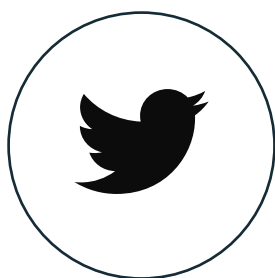
# Social Media & Online Presence



## Telegram

<https://t.me/monopoloff>

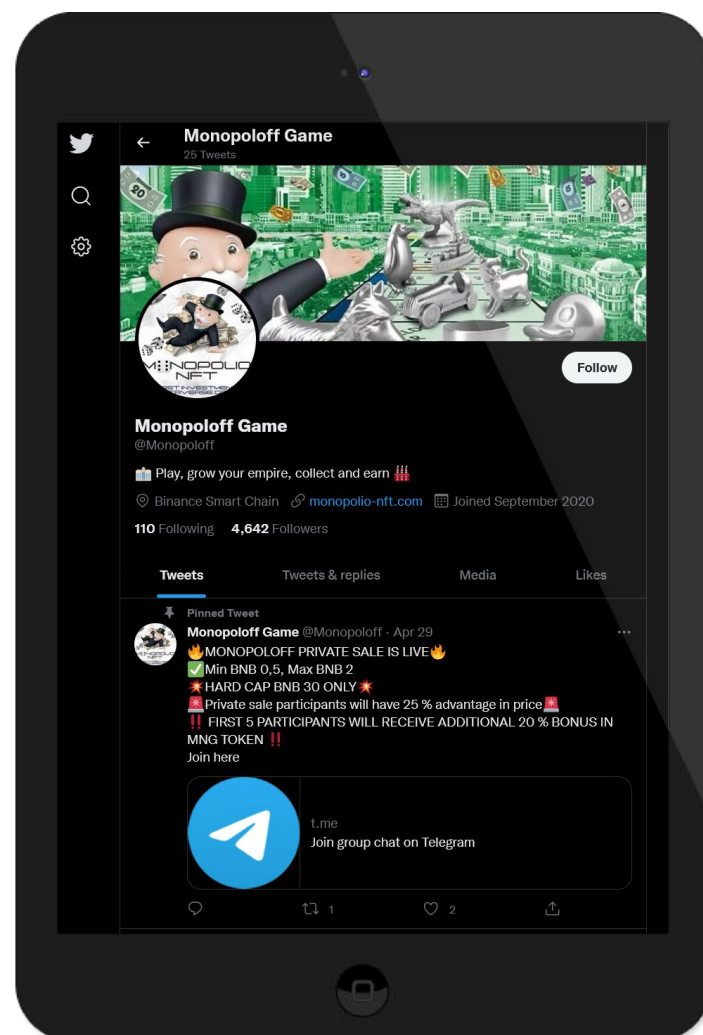
- 124 members
- Few active members ⚠️
- Active mods



## Twitter

<https://twitter.com/Monopoloff>

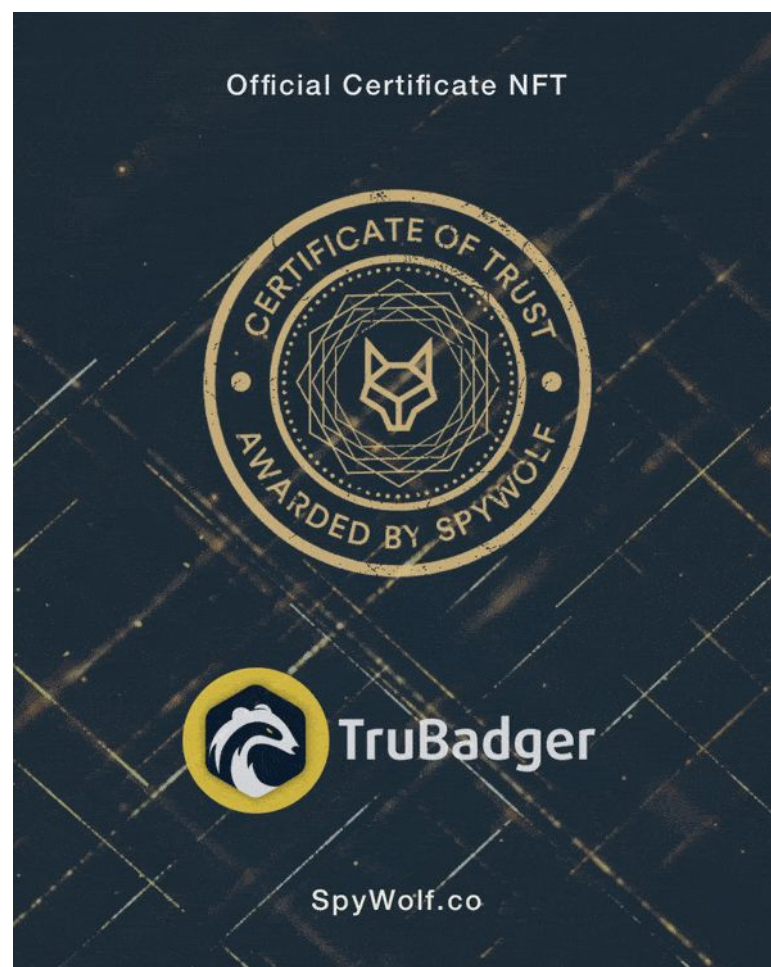
- 4 641 Followers
- Few posts, not active. ⚠️



# About SpyWolf

SpyWolf is a team of crypto security experts that have been performing full audits for projects for the past months in order to ensure safety on the crypto space. Our goal is to help eliminate monetary fraud through our auditing services and utility token, \$SPY.

- Website: [SpyWolf.co](https://SpyWolf.co)
- Portal: [SpyWolf.network](https://SpyWolf.network)
- Telegram: [@SpyWolfNetwork](https://t.me/SpyWolfNetwork)
- Twitter: [Twitter.com/SpyWolfNetwork](https://twitter.com/SpyWolfNetwork)



(Sample Certificate NFT for those who pass audit)

**If you are interested in finding out more about our audits and Certificate of Trust NFTs, reach out to [contact@spywolf.co](mailto:contact@spywolf.co).**

# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.